

TYKVA, Richard; PAVLU, Bohuslav

Filling gas for windowless flow counters and internal proportional counters in measuring very low radioactivities. Jaderna energie 9 no.11:358-399 '63.

1. Ustav organicke chemie a biochemie, Ceskoslovenska akademie ved. Praha.

1/2001

CIA-RDP86-00513R001757710020-

33743

Z/038/62/000/003/002/005

D291/D301

21.6000
AUTHOR:

TITLE:

PERIODICAL:

Tykva, Richard

Shielding when measuring low activities of soft beta radiators

Jaderna energie, no. 3, 1962, 82-85

TEXT:

The author investigates the possibilities of reducing the background of various GM counter tubes by shielding devices which can easily be assembled or are commonly available. The background shielding can be effected either by various mechanical shields or by the anticoincidence connection of several shielding counter tubes. While mechanical shields are primarily used to suppress the soft component of cosmic radiation and the radiation caused by environmental contamination, anticoincidence circuits are primarily used to suppress the hard component of cosmic radiation. In the tests described in this article and performed at the UOCHB - Ustav organicke chemie a biochemie, CSAV (Institute of Organic Chem-

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Shielding when measuring...

istry and Biochemistry, Czechoslovak AS) in Prague, various types of shielded GM counter tubes were used, namely a thin end-window 30/30 AB tube (product of the TESLA Pardubice - Přemýšlení Development Plant), a windowless gas-flow counter, and a gas-filled counter. Shielding counter tubes type GM 30/300 (product of the TESLA Rožnov - Vrchlabí Subsidiary) were arranged in various modes around the measuring tube. Pb shields of various design were made by the mechanical workshops of the Institute of Organic and Biochemistry and the ÚPT - Ústav přístrojové techniky ČSAV (Instrumentation Institute, Czechoslovak AS) in Brno. The electronic test equipment included a decade counter with stabilized 4 and 5 kV supply and an anticoincidence circuit with a discrimination interval of 50 μ sec. For additional voltage stability, all instruments were fed through a Křižík ST 100 regulator. The obtained test results showed that it is easily possible to reduce the background of gas-flow and gas-filled GM counter tubes to a value of 5 pulses/minute which suffices for most trace research purposes. Thin end-window GM tubes are already too ineffective for such research purposes. The author gives

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Shielding when measuring...

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credit to Engineer Procházka and collaborators of the Instrumentation Institute, Czechoslovak AS in Brno, and to Biologist O. Melichar of the Institute of Organic Chemistry and Biochemistry, Czechoslovak AS in Prague, for their valuable cooperation. (Technical Editor: J. Klumpar). There are 6 figures, 3 tables and 21 references: 9 Soviet-bloc and 12 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: D.R. Christman, C.M. Paul: Anal. Chem. 32 (1960), p. 131; R. Tykva: Collection Czechoslov. Chem. Commun. 25 (1960), p. 1874; R. Tykva: Collection Czechoslov. Chem. Commun. 26 (1961), p. 2463; B.L. Cohen: J. Sci. Instr. 37 (1960), p. 475. ✓

ASSOCIATION: Ústav organické chemie a biochemie, Československá akademie věd, Praha (Institute of Organic Chemistry and Biochemistry, Czechoslovak AS, Prague)

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CZECHOSLOVAKIA

CIRAK, A; TYKVA, R; SORN, F

Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 7, July 1966, pp 3015-3019

"Incorporation of 5-ascytidine-4-[14 C] and of cytidine
-3 [3 H] into ribonucleic acids of mouse Ehrlich ascites
tumor cells."

CZECHOSLOVAKIA

RASKA, Jr. K; JUROVCIK, M; FUGIK, V; TYKVA, R; SORMOVA, Z; SORM, F.

Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 7, July 1966, pp 2809-2815

"Metabolic effects of 5-azacytidine in isolated nuclei
of calf-thymus cells."

ACC NR: AP6035251 (4) SOURCE CODE: UR/0377/66/000/004/0003/0007

AUTHOR: Yegorova, I. V.; Tykvenko, R. N.; Chetverikova, G. A.

ORG: All-Union Scientific Research Institute of Current Sources (Vsesoyuznyy nauchno-issledovatel'skiy institut istochnikov toka)

TITLE: Photoelectrical film converters

SOURCE: Geliotekhnika, no. 4, 1966, 3-7

TOPIC TAGS: photoelectric property, silicon film, cadmium, telluride film, cadmium sulfide film, photoconverter, film converter, film photoconverter, thin film element, film technology

ABSTRACT: The results of an investigation of the electrical and photoelectric properties of photoelectrical film converters on a silicon, cadmium telluride or cadmium sulfide base are given. The volt-ampere characteristics of light and darkness are analyzed for film photoconverters, the spectral distribution of short circuit photoelectric current, the temperature dependence of electromotive force of blank motion, the short circuit current and efficiency, and the dependence of electromotive force of blank motion and short circuit current on the strength of falling radiation. Orig. art. has: 4 figures. [Based on authors' abstract] [NT]

Card 1/1 SUB CODE: 10, 20/SUBM DATE: none/OTH REF: 003/

VONDRACEK, B.; NOVACEK, A.; SINKULE, F.; TYL, D.

Sulfonamides. II. Chlorothiazide and dihydrochlorothiazide.
Cesk. farm. 11 no.4:173-175 '62.

1. Chemopharma, n.p., Usti n. L.
(CHLOROTHIAZIDE chem) (CHLOROTHIAZIDE rel cpds)

TYL, Josef

Safe distance between driving vehicles. Siln doprava 11 no.7:
23-25 '63.

1. Statni pojistovna.

TYL', M.I.

Method of exact casting of dental prostheses from refractory patterns. Stomatologiya no.5:36-43 8-0 '54. (MLRA 7:11)

1. Iz kafedry mashin i tekhnologii liteynogo proizvodstva (zav. dotsent A.I.Smirnov) Odesskogo politekhnicheskogo instituta (dir. zaslushennyi deyatel' nauki i tekhniki prof. V.A.Dobrovol'skiy) Odesskogo nauchno-issledovatel'skogo instituta stomatologii (dir. M.I.Kukhareva)

(DENTAL PROSTHESIS,
casting on fireproof models)

TYL', M. I.

Tyl', M. I. -- "Investigation of a New Process of Casting Metallic Arc-Schped (Biogel) High-Precision Dentures." Min Higher Education USSR, Odessa Polytechnic Inst, Odessa, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 24, Moscow, Jun 55, pp 91-104

TYL, V.

Friendly ties between Russian and Czechoslovak scientists.

p. 353 (AUTOMOBIL) Vol. 1, no. 11, Nov. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

TYL, V.

Trends in the development of motor trucks. p. 304.
Highway and automotive transportation and vehicles. p. 307
Adjusting the engine of the JAWA 255-cc. racing motor-
cycle. p. 309. SVET MOTORU. (Svaz pro spolupraci s
armadou) Praha. Vol. 10, no. 10, May 1956.

SOURCE: East European Accessions List , (EEAL).
Library of Congress. Vol. 5, no. 12,
December 1956.

TYL, V.

Trends in the production of utility motor vehicles at the Geneva exhibition.

p. 238 (Automobil) Vol. 1, NO. 7, July 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, Jan. 1958

TYL, V. : VEJDELEK, O.

A new testing device for electric plugs.

P. 265 (Elektrotechnik) Vol. 12, No. 8, Aug. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

TYL', V.E., inzhener.

The projected regulations must be discussed in the highway management organizations. Avt.dor. 17 no.2:29-30 S-O '54. (MIRA 8:4)
(Road materials)

TYLAJKA, Frantisek

Production of expanded rubber soles. Kozarstvi 14 no.7:209-211
Jl '64.

1. Svit National Enterprise, Gottwaldov.

TYLAJKA, Frantisek

Continuous line for the production of blanks of Styropor sheets. Kozarstvi 14 no. 3: 89-90 Mr '64.

1. Worksite of Shoe Research and Development, Svit National Enterprise, Gottwaldov.

P. 1. A

*Mechanics, Electrotechnics
Physics*

021386 015819 770117

251
Tylatycki M., Domantas J. Micro-Radiography.
„Centrosprawy mikrobrzojowa” Warszawa 1979, 128, 100
Nauk-Wyd., 84, pp. 128, 120 figs.
The importance of micro-radiography in mass examination of
the population of microphotographs mass examina-
tion. Interpretation of micro-radiograms. Historical review. Equip-
ment in calibration. The protection of operators. Photographic
technique. Application of handling. Defects and repairs. Film record.
Future development of micro-radiography.

TYIAYEV, A.Ya., kandidat tekhnicheskikh nauk; SOSKIN, G.M., inzhener.

Increase the requirements for pavement foundation layers. Avt. dor.
20 no.2:10-11 F '57.

(Pavements, Concrete)

PTA

624 0124.001 1.003

1238

Tybor J. Economy of Construction Designing.

„Ekonomia projektowania na odcinku konstrukcji”. Architektura.

No 5-6, 1951, pp. 180-183, 9 figs.

Rational designing. Directives for building design. Rational and economic planning of constructional designs. The use of new materials, economy in the use of materials in short supply; utilisation of scrap. Scientific and research work by the I.T.B. Institute of Building Techniques. Wire reinforced concrete and prestressed concrete used in general building schemes and especially in the building of settlements.

TYL'CHEVSKIY, K.I.

Determining the resistance of soils to displacement in bore
holes. [Trudy] NIIOSP no.42:105-122 '60.

(MIRA 13:6)

(Soil mechanics) (Boring)

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 90 (USSR) SOV/124-57-4-4494

AUTHOR: Tyl'chevskiy, K. I.

TITLE: Fundamental Requirements Relative to the Withdrawal of Samples of Soil Having an Undisturbed Structure From Drill Holes (Osnovnyye trebovaniya, pred'yavlyayemye k otboru obraztsov grunta nenarushennogo slozheniya iz burovykh skvazhin)

PERIODICAL: Tr. N.-i. in-ta osnovaniy i fundamentov, 1956, Nr 29, pp 69-79

ABSTRACT: Bibliographic entry

Card 1/1

TYL'CHEVSKIY, K.I.

Structural drilling using core lifters with external flushing.
Osn. fund. i mekh. grun. 5 no.3:10-12 '63. (MIRA 17:1)

TYL' CHEVSKIY, K.I., kand.tekhn.nauk

Core-lifter terminals of boring machinery used in making holes
and removing unbroken samples. [Trudy] NIIOSP no.33:77-83 '58.
(Boring machinery) (MIRA 11:9)

TYL'CHEVSKIY, K.I.

Device for determining the compressibility of the soil in the
walls of bore holes. Osn., fund. i mekh. grun. 4 no.3:24-26
'62. (MIRA 15:7)

(Soil mechanics)

~~TYL'CHENSKII, M.I.~~, kandidat tekhnicheskikh nauk.

Basic requirements for selecting undisturbed soil samples from
boreholes. Trudy NII osn.i fund. no.29:69-79 '56. (MLRA (10:5))
(Soil physics)

TYL'CHEVSKIY, K.I.; SKACHKO, A.N.

Device for determining the compressibility and resistance of
soils to a displacement by small-surface dies with lateral load.
Sbor. trud. NIIsn. no.55:93-98 '64. (MIRA 18:3)

TYLCZYNSKI, M.
TYLCZYNSKI, M. prof.dr.med.

Dr.Med. Roman Welman. Polski tygod.lek. 10 no.22:754 30 My '55.

(OBITUARIES

Welman, Roman)

CZECHOSLOVAKIA

TYLE, Stanislav, MD, Lt Col [Affiliation same as above.]

"Disturbances of Consciousness During Flight."

Prague, Vojenske zdravotnicke listy, Vol 32, No 2, Apr 63; pp 50-53.

Abstract [English summary modified] : Data on 45 cases of minor disturbances of consciousness by operational personnel during flight. Main causes were autonomic, occurring in a borderline neurotic individual. Eventually, 10 of the 45 had to be taken off flight duty altogether; 3 were temporarily and 8 partly ineligible; 24 fully fit. Table; 1 Soviet and 13 Western references.

1/1

- 13 -

TYLECEK, Blazej, inz.; CVACHO, Stefan

Mixtures for tamping balneologic boreholes. Geol pruzkum
6 no.7:206-207 JI '64.

1. Geologicky prieskum National Enterprise, Zilina.

VLASYUK, P.A., akademik; ZEROV, D.K., akademik; PSHENICHNYI, P.D., akademik;
 ROMANENKO, I.N., akademik, otvetstvennyy red.; MOVCHAN, V.A.;
 RODIONOV, S.P.; TYLENEV, N.A.; DAVYDOV, G.M., kand. ekon. nauk;
 KUGUKALO, I.A., kand. ekon. nauk; BEREZIKOV, V.S.; FEDUN, A.D.;
 GRUDZINSKAYA, O.S., red. izd-va; YURCHISHIN, V.I., tekhn. red.

[Natural conditions and resources of the Polesye; transactions of
 the Conference on Problems of the Development of the Productive
 Forces of the Ukrainian Polesye] Prirodnye usloviia i resursy
 Poles'ia; trudy konferentsii po voprosam razvitiia proizvoditel'-
 nykh sil Poles'ia USSR. Kiev. Pt.1. 1958. 123 p. (MIRA 11:7)

1. Akademiya nauk USSR, Kiev. Rada po vyvchenniu produktivnykh syl.
2. Akademiya nauk USSR (for Vlasyuk, Zerop). 3. Ukrainskaya
 akademiya sel'skokhozyaystvennykh nauk (for Vlasyuk, Pshenichnyy,
 Romanenko). 4. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk
 imeni V.I. Lenina (for Vlasyuk). 5. Chlen-korrespondent Vsesoyuz-
 noy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for
 Romanenko). 6. Chlen-korrespondent akademii nauk USSR (for Movchan,
 Rodionov, Tyulenev). 7. Zamestitel' nachal'nika otdela svodnykh
 perspektivnykh planov Gosplana USSR (for Beresikov). 8. Nachal'nik
 podotdela sel'skogo khozyaystva otdela svodnykh perspektivnykh planov
 Gosplana USSR (Fedun).

(Polesye--Natural resources)

1954, 1. 1.

"The Problem of the Pathogenesis of Pruritus in the Light of I. P. Pavlov's Doctrine."

Vestnik venerologii i dermatologii (Bulletin of Venereology Dermatology),
No 1 January-February 1954 (biomper), Moscow.

1/PAGE D.1
AUTHOR: None Given

113-58-7-22/25

TITLE: Inventions in the Automobile Industry (Izobreteniya v avtomobil'noy promyshlennosti)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 7, p 43 (USSR)

ABSTRACT: The Inventions and Discoveries Committee at the USSR Council of Ministers released authors' certificates on the following inventions of 1956-57: N.B. **Kanilevich** and N.N. Yefimenko, "An Automobile for the Transportation of Railway Containers and Other Loads"; Yn.B. **Belen'kiy**, "A Block Brake Mechanism"; N.A. Nikitin, D.I. Tylevich, "A Body of a Dump Truck for the Transportation of Building Material Solutions"; V.V. Burkov, "A Sectional Automobile Radiator"; I.T. Yefimenko, "A Spring Suspension for Automobiles and Other Mechanisms"; P.S. Fomin, "A Synchronizer with a Disk Gear for Transmissions"; L.V. Klubov, "A Hydromechanical Automatic Three-Stage Transmission"; G.M. Dekanozov, "An Apparatus for Dynamical Testings of Automobiles"; D.V. Breygin, "A Mechanical Transmission"; I.I. Ziberov, "A Stand for the Disassembly and Assembly of Automobile Tires"; D.V. Kozmenko, V.P. Kurunov, V.G. Palatko, A.A. Khalyavin, "An Automat for the Tilting of Cabins and Car Bodies on the Conveyor Belt"; P.V. Boguslavskiy, "A Combined Truck

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Inventions in the Automobile Industry

113-58-7-22/25

Body"; V.B. Tsimbalin, "A Stand for the Investigation of the Smooth Running of the Automobile and Testing of the Assembly Units and Parts for Durability"; V.B. Tsimbalin, "A Device for Tests of Automobiles with Respect to Smooth Running and Adjusting of New Automobiles in the Assembly Workshop"; Yu.B. Belen'kiy, "A Brake Crane for Automatic Automobile Brakes"; I.S. Izakson, B.I. Kharif, "A Stand for Checking the Brakes of Automobiles of All Types"; M.I. Lysov, "An Intensifier of the Steering Control of Automobiles with Progressive Reaction on the Steering Wheel"; N.B. Kapilevich, N.N. Yefimchenko, "An Automobile with a Hydraulic Lifting Crane"; V.A. Mushkin, "A Device for the Regulation of the Water Temperature in the Cooling System of the Automobile Engine"; M.I. Lysov, "A Pneumatic Intensifier of the Steering Control of the Automobile"; Yu.G. Sedykh, "The Gear Box"; V.D. Chistyakov, "A Device for the Washing of Motor and Tractor Parts"; N.G. Balakirev, "The Autotrailer"; P.D. Matyuk, A.I. Surykin, "A Detachable and Interchangeable Multi-Stage Contrivance of the Truck Body"; A.P. Krivshin, G.I. Pshenichnyy, "A Torsion Mechanism"; G.I. Azorevich, N.M. Riberg, "A Synchronizer of the Peripheral-Speeds of the Cog Wheels for Gear Boxes with Gliding Cog Wheels"; B.I. Rabinkov, "A Planetary Transmission with a Double

Card 2/3

Inventions in the Automobile Industry

113-58-7-22/25

Power Supply"; D.T. Gapoyan, I.A. Kurzel', "A Hydromechanical Automatic Gear Box for the Automobile"; A.A. Romanov, "An Automatic Compensation of the Wear of Brake Linings"; A.N. Kolesnichenko, "A Universal Stand for Tests of the Lifting Mechanisms of Dump Trucks"; I.I. Ozherel'yev, "A Mechanism of Engaging the Springs of a Three-Axle Automobile"; V.N. Maslennikov, D.I. Ivanov, "A Washing Device for the Wind Screen of the Automobile, Autobus and Other Wheeled Vehicles"; M.I. Lysov, "A Method of Trying Out the Intensifiers of the Steering Control"; V.K. Sankidze, "A Device for the Stabilization of the Vertical Position of a Self-Propelled Mountain Vehicle in Motion Along Mountain Slopes; M.I. Lysov, "A Hydraulic Intensifier of the Steering Control of the Automobile".

1. Inventions--USSR 2. Automotive industry--USSR 3. Trucks--Equipment
4. Tractors--Equipment 5. Automobiles--Equipment

Card 3/3

TYLEVICH, E. Z.

Tylevich, E. Z. "On the circular diagram for synchronous machines having projecting poles," Vestnik Akad. nauk Kazakh, SSR, 1949, no. 10, p. 23-28 -
Résumé in Kazakhstan language

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

TYLEVICH, I. M.

Sedina, N. S., Tylevich, I. M., and Ul'rikh, Ye. S. "Oral introduction of sugar as a method of creating the parasympathetic effect", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 290-307, - Bibliog: 12 items.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

USSR/Pharmacology - Toxicology - Narcotics.

V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18502

Author : Tylevich, I.M.

Inst : -

Title : The Influence of Galvanization of the Brain on the
Course of Barbiturate Narcosis

Orig Pub : V sb.: Mekhahizmy patolog. reaktsiy, L., Medgiz, 1955,
56-62

Abstract : No abstract.

Card 1/1

TYLEVICH, I. M.

Tylevich, I. M. "On the mechanism of subordinating influences", (Investigations during operations), IN the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 104-11.

SO: U-4392, 19 August 53, (Ietopis 'Zhurnal 'nykh Statey, No 21, 1949).

TYLEVICH, I. M.

Tylevich, I. M. "On the physiological characteristics of amital narcosis", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 81-86.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

TYLEVICH, I. M.

Tylevich, I. M. and Rabinovich, B. S. "Chronaxia of the nerves and muscles in amital narcosis", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1948,

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

TYLWICH, J. M.

MC

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As seen from the cited data, increased nitrogen pressure induces in the first place disturbances of the pacific cortical functions, whereas under the effect of helium these functions are biologically retained, while the disturbances take place at a lower level and involve in the first place the motor sphere.

The differences in the narcotic effect of increased pressures of nitrogen and helium were noted also in the experiments on animals (Chapter I and II). Thus, despite the fact that both gases -- nitrogen and helium -- are of the inert type, both become active under conditions of increased pressures and induce responsive pathological reactions; these reactions develop so differently that the question arises whether both can be referred to the narcotic reaction. The decision depends, apparently, on how we understand under the term of a narcotic reaction. If we interpret narcosis as a nonspecific central inhibition reaction (E. S. Golkin, 1939-1952) which can be induced by any given non-electrolyte (W. V. Lachner, 1940), then there is a reason to expect a diversity in the manifestations of such a reaction.

TYLWICH?

Let us turn to the data in the literature.

Fick (1927) divided narcotics into two types -- cortical (narcotics of the lipid order) and atax-type (barbiturates). W. V. Lachner (1940) made a wider generalization by dividing all non-electrolytes according to their physico-chemical properties into several groups of narcotics. Subsequently, his associate (Ye. I. Lyubim, 1954) related all narcotics to two antagonistic groups -- narcotics of type I (which includes barbiturates) -- narcotics of type II (includes barbiturates). In the laboratory of Ye. I. Golkin, D. A. Lopyrev (1949), I. M. Tylovich (1952) et al., demonstrated the principal difference in the inhibition mechanism of narcotics of various types: ataxo-inhibitory mechanism of narcotics of the lipid order, trochic and anesthetic stimulation of the nodal oblongata of animals under ether and barbiturate narcotics produced an opposite effect; in one case it deepened the

50. D. A. Lopyrev, "The Physiological Issues of Narcosis: Survival Under Conditions of Increased Pressure in a Gas Medium," by C. I. Lachner, Leningrad 1951, JMS, 12/59, 5 Feb 62, Univ. 77.

ly LEVICH, I. N.

24(0); 5(4); 6(2) PHASE I BOOK EXPLOITATION SOV/2215
Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni
D.I. Mendeleeva

Referaty nauchno-issledovatel'skikh rabot: sbornik No. 2 (Scientific
Research Abstracts: Collection of articles No. 2) Moscow,
Standartgiz, 1958. 139 p. 1,000 copies printed.

Additional Copying Agency: USSR. Komitet standartov, mer i
izmeritel'nykh priborov.

Ed.: S. V. Reshetina; Tech. Ed.: M. A. Kondrat'yeva.

PURPOSE: These reports are intended for scientists, researchers,
and engineers engaged in developing standards, measures, and
gags for the various industries.

COVERAGE: The volume contains 128 reports on standards of measure-
ment and control. The reports were prepared by specialists of
institutes of the Komitet standartov, mer i izmeritel'nykh
priborov pri Sovetskom Ministerstve SSSR (Commission on Standards,
Measures, and Measuring Instruments under the USSR Council of
Ministers). The participating institutes are: VNIIM (All-Union
Scientific Research Institute of Metrology) imeni D.I.
Mendeleeva (All-Union Scientific Research Institute of Metro-
logy imeni D.I. Mendeleeva) in Leningrad; Sverdlovsk branch
of this institute; VNIIM - Vsesoyuznyy nauchno-issledovatel'skiy
institut Komiteta standartov, mer i izmeritel'nykh priborov
(All-Union Scientific Research Institute of the Commission
on Standards, Measures, and Measuring Instruments), created
from MGIMIP - Moskovskiy gosudarstvennyy institut mer i
izmeritel'nykh priborov (Moscow State Institute of Measures
and Measuring Instruments) October 1, 1955; VNIIPRI -
Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-tekhnich-
eskikh institutov khimicheskikh izmereniy (All-Union Scientific
Research Institute of Physical and Radio-engineering
Measurements) in Moscow; MGIMIP - Moskovskiy gosudarstvennyy
institut mer i izmeritel'nykh priborov (Moscow State Institute
of Measures and Measuring Instruments); and MGIMIP - Moskovskiy
birskiy gosudarstvennyy institut mer i izmeritel'nykh priborov
(Moscow State Institute of Measures and Measuring Instru-
ments). No personalities are mentioned. There are no references.

Branch of VNIIM). Effect of Rigidity of the Dynamometer of
Testing Machines on the Falling Portion of the Extension Diagram 60

Vandyshov, B.A.; and P.S. Savitskiy (Sverdlovsk Branch of VNIIM). 61
Determining Yield Points Without Using a Test Piece

Zaytsev, G.E.; S.A. Smolich, L.V. Beloruchev, and I.N. Levich
(VNIIM). Developing a Method for the Determination of Yield
Points and Uniform Elongation Without Tensile Tests (the two-
cone method)

Pressure Measurements (Dolinskiy, Ye.P., Editor, Candidate of Tech-
nical Sciences)

Gramenitskiy, V.N. (MGIMIP). Pressure Gage for Accurate Measuring
in the Range of 0 to 4 Kilograms per Square Centimeter 63

Burakina, G.P. (Sverdlovsk Branch of VNIIM). Studying Pressure
Measurement Errors by Means of a Depression Meter of the Komarov-
Goskin Type
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18 8200 (1496, 2608, 2513)

S/032/61/027/006/010/018
B124/B203

AUTHORS: Tylevich, I. H., and
Giffman, L. L.

TITLE: Method of determining the flow limit of a metal
by indentation of a flat pyramid

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 6,
1961, 738 - 743

TEXT: One of the authors had previously suggested (I. H. Tylevich. Opredeleeniye mekhanicheskikh svoystv sudostroitel'nykh materialov metodom vdavlivaniya (Determination of mechanical properties of shipbuilding materials by the indentation method). Trudy Tsentral'nogo nauchno-issledovatel'skogo instituta tekhnologii sudostroyeniya, no. 4000 (1952)) a simple and accurate method of determining the flow limit by indentation of a flat pyramid (with a vertex angle of 170°). The method is based on the principle of obtaining a constant compression deformation of the surface layer of metals equivalent to the uniaxial elongation on the level

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Method of determining the flow...

S/032/61/027/000/010/010
B124/B203

of the flow limit. A condition for the equivalence in this case is that the bulge q at compression is equal to the contraction at elongation, which results from the constant volume in plastic deformation. The flow limit $\sigma = 0.2$ at elongation is, at constant deformation tolerance, $\delta = \gamma = 0.2\%$. Constant deformation is attained with the use of a point with constant indentation angle. When indenting a conical point in the metal, its surface layer of the thickness t_0 , limited by a circle of the radius r , is deformed, which results in a transformation of the disk to a conical funnel with the ruling l and the thickness t_1 . The equation $q = 1 - r/l = 1 - \sin(\alpha/2)$ gives, for $q = 0.2\%$, a vertex angle $\alpha = 172^\circ$. As a cone with such a vertex angle gives indistinct, poorly measurable indentations, an equivalent four-sided pyramid with a vertex angle of 170° was chosen, which, in the following, will be called α -pyramid. It was experimentally found that for this pyramid the ratio σ_T/H_α (σ_T being the flow limit at elongation, and H_α the mean contact pressure of the truncated cone) is very near 0.33. When determining the flow limit by indentation of the α -pyramid, a load of $P = 3000$ kg is used, and the mean

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Method of determining the flow...

length d of the diagonal is determined. Therefrom, the hardness

$H_{\alpha} = 2P/d^2$ and $\sigma_T = CH$ is calculated, where C is the proportionality

factor equal to 0.32 - 0.33. For nonferrous metals, $P = 1000\text{kg}$. Fig. 2 shows the construction of the point (the tolerances correspond to the specifications GOST 2999-59 (GOST 2999-59)). The dimensions of the axis chosen permit the tests to be made in a device of type TS (Brinell press) with loads up to 3000 kg, and in a device of type TK (Rockwell apparatus) with loads up to 150 kg. The point consists of a steel holder 1 and an insert 2 made of hard alloy of the type VK-8 (VK-8). The method was checked on various cemented steels and steel alloys, mainly structural steels, as well as some stainless steels and nonferrous metal alloys; altogether, on 90 variants. The results obtained by the method suggested were compared with those obtained by indirect methods such as that by M. F. Markovets (Ref. 9: Zhurnal tekhnicheskoy fiziki, XIX, No. 3 (1949)), F. F. Vitman and collaborators (Ref. 3: Zavodskaya laboratoriya, XIII, 2 (1947); Ref. 5: Zhurnal tekhnicheskoy fiziki, XXIV, No. 3 (1954)), as well as M. V. Yakutovich et al. (Ref. 7: Zavodskaya laboratoriya, XIV,

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B124/B203

Method of determining the flow...

3 (1948)), and the data obtained were statistically evaluated (Table 1). The distribution curves for the deviations of the flow limits calculated from the real values were plotted for all methods studied for an indirect determination of the flow limit (Fig. 3). The table and Fig. 3 show that the method suggested for determining the flow limit has the highest correlation coefficient and the best distribution of deviations. There are 3 figures, 1 table, and 15 references: 12 Soviet bloc and 3 non-Soviet-bloc.

Card 4/8

TYLEVICH, I.N.; GLIKMAN, L.A.

Method of determining the creep limit of a metal by use of the
impression in a slanting pyramid. Zav.lab. 27 no.6:738-743 '61.
(MIRA 14:6)

(Creep of metals)

TYLEVICH, I. N.

Tylevich, I. N. (Leningrad). Dimensional Tolerances in Ship Systems and Pipelines

p. 60

Interchangeability, Accuracy and Measuring Methods in Machine Building, Moscow, Mashiz, 1958, 251 pp. (Sbornik Nauchno-tekhn. obzrach. mashinostroitel'noy promyshlennosti, Leningradskoye oblast pravleniya, kn. 47).

This collection of articles deals with the topics discussed at the 3rd Leningrad Sci. and Engineering Conference on Interchangeability, accuracy and Inspection Methods in Machine-building and Instrument-making, held 18-22 Mar 1957.

TYLEVICH, I.N. (Leningrad)

Dimension tolerances for pipe systems on ships. [Izd.] LOHITOMASH
47:60-70 '58. (MIRA 11:10)

(Marine pipe fitting--Standards)

TYLEVICH, Z.S.

Treatment of vascular diseases associated with mental disorders.
Zhur.nevr.1 psikh. 62 no.8:1189-1191 Ag '62. (MIRA 15:12)

1. 3-ya Leningradskaya psikhonevrologicheskaya bol'nitsa imeni
Skvortsova-Stepanova (glavnyy vrach N.D.Bulkin).
(PSYCHOSES) (CEREBROVASCULAR DISEASE)(CHLORPROMAZINE)

TYLGYESSY, J.

Kovacs, P. Making the action of ultrasonic waves visible. p. 606.
TECHNICKA PRACA, Bratislava, Vol. 6, no. 10, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

SULESTROWSKI, Waldemar; TYLICKA, Teresa

Clouding of the state of mind as a rare complication of cerebral arteriography. Neurol. neurochir. psychiat. pol. 13 no.4:559-560 '63.

1. Z. Kliniki Chorob Psychiczych AM w Gdansk Kierownik: prof. dr. T. Bilikiewicz oraz z Kliniki Chorob Nerwowych AM w Gdansk Kierownik: prof. dr Z. Majewska.
(MENTAL DISORDERS) (CEREBRAL ANGIOGRAPHY)

TYLICKA, Teresa

Apropos of the most appropriate method of inducing Sabin's
reflex in small children. *Pediat. Pol.* 39 no.5:571-574. 1974.

1. Z Oddziału Neurologii Dziecięcej im. Janusza Korczaka Kliniki
Neurologicznej Akademii Medycznej w Gdansk (Kierownik: prof. dr.
med. Z. Majewska).

POLAND

TYLICKA, Teresa, Neurological Clinic (Klinika Neurologiczna),
AM [Akademia Medyczna, Medical Academy] in Gdansk (Director:
Prof. Dr. Zofia MAJEWSKA)

"Brain Intussusception as Cause of Death in Acute Vascular
Diseases of the Brain."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 33, 12 Aug 63,
pp 1228-1231

Abstract: [Author's English summary modified] Author found
14 cases of brain intussusception out of 78 fatal cases of
acute vascular diseases of the brain. Autopsy revealed con-
siderable extension of damaged foci, edema of the brain, and
intussusception of the cerebellar tonsils into the foramen
occipitale magnum in most cases. Though more frequent in
cases of cerebral hemorrhage, it is also found in cases of
encephalomalatic foci. Author discusses difficulty in de-
tection and impossibility of preventing intussusception,
and explains its mechanism by increased intracranial pres-
sure due to the brain edema in acute vascular diseases of
the brain. There are 11 references, 4 Polish and 7 Western.

1/1

TYLICKI, Mieczysław

Anal fissure. Pol. tyg. lek. 20 no.23:848-850 7 Je '65.

1. Z II Kliniki Chirurgicznej Studium Doskonalenia Lekarzy
w Warszawie (Kierownik: prof. dr. med. J. Dryjski).

HEJKA, Zuzanna; JANIKOWSKI, Tadeusz; KRYWKO, Alina; TYLICKA, Teresa;
WDOWIAK, Wanda; WOZNICZKO, Jerzy.

Incidence of neurologic symptoms in the newborns in relation
to causative factors. Ginek. Pol. 36 no. 12:1379-1386 D ' 65

1. Z Kliniki Neurologicznej AM w Gdansk (Kierownik: prof. dr.
med. Z. Majewska); z I Kliniki Poloznictwa i Chorob Kobietych
AM w Gdansk (Kierownik: prof. dr. med. S. Metler) i z II
Kliniki Poloznictwa i Chorob Kobietych AM w Gdansk (Kierownik:
prof. dr. med. W. Gromadzki).

TYLICKI, Mieczysław

Anal fistulae. Pol. tyg. lek. 20 no.35:1329-1332 30 Ag '65.

1. Z II Kliniki Chirurgicznej Studium Doskonalenia Lekarzy w
Warszawie (Kierownik Kliniki: prof. dr. med. J. Dryjski).

TYLICKI, Mieczyslaw

Variation of potassium level and eosinophil count in peripheral blood in postoperative period; preliminary communication. Polski przegl. chir. 28 no.8:833-839 Aug 56.

1. Z IV Kliniki Chirurg. A.M. w Warszawie. Kier.: doc. dr.
J. Dryjaki. Warszawa, ul. Targowa 64 m. 41.

(POTASSIUM; in blood,
postop. (Pol))

(EOSINOPHIL COUNT,
postop. (Pol))

(SURGERY, OPERATIVE,
postop. eosinophil count & blood potassium (Pol))

TYLICKI, Mieczyslaw

Student rebellion; discussion on K. Michejda's article, Correct use of Polish language and medical terminology. Polski tygod. lek. 11 no.37:1599-1602 10 Sept 56.

1. (Uwagi na marginesie artykułu K. Michejdy O poprawności polskiego języka i mianownictwa lekarskiego) Warszawa, ul. Targowa 64. m 41.

(NOMENCLATURE,
med. in Poland (Pol))

TYLICKI, Mieczyslaw.

Case of recurrent diaphragmatic hernia and of congenital polycystic disease of the lung. Polski tygodnik lek. 10 no.43:1410-1413 24 Oct 55.

1. Z IV Kliniki Chirurgicznej A.M. w Warszawie; kierownik: prof. dr. J.Dryjaki. Warszawa, ul. Targowa 64 m. 41.

(LUNGS, cysts,

congen. polycystic dis. with recur. diaphragmatic hernia)

(HERNIA, DIAPHRAGMATIC, complications,

congen. lung polycystic dis.)

TYLICKI, Mieczyslaw

Three rare cases of intestinal obstruction. Polski tygod.lek. 10
no.16:523-529 18 Apr 55.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego Nr 8; ordynator:
doc. dr J.Kubiak. Warszawa, Targowa 64 m. 41.

(INTESTINAL OBSTRUCTION,
diag. & surg.)

KOSIERADZKI, Konrad; TYLICKI, Mieczysław; WINOWSKI, Jerzy

On the problem of neurilemmomas of the stomach. Polski tygod. lek.
14 no.28:1294-1299 13 July 59.

1. (Z III Zakł. Chor. Wewn. I.D. i S.K.L. w Warszawie; kierownik: prof.
dr A. Goldschmied, IVKl. Chir. A.M. w Warszawie; kierownik: prof. dr J.
Dryjski i Pracowni Anatomopatologicznej Szp. Miejsk. Nr. 1 w Warszawie;
kierownik: dr med. R. Modrewska-Winowska).
(STOMACH, neoplasma) (NEURILEMMOMA)

TYLICKI, Mieczyslaw

Space medicine. Polski tygod. lek. 14 no.31:1458-1462 3 Aug 59.
(SPACE FLIGHT)

TYLICKI, Mieczyslaw.

Repeated gastric surgeries in late postoperative complications.
Polski tyged.lek. 10 no.19:606-610 9 May '55.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego Nr. 8:ordynator
Oddzialu doc.dr J. Kubiak) Warszawa, Tagowa 64, m. 41.
(STOMACH, surgery
postop.compl.repeated surg.)

TYLICKI, Mieczyslaw; WINOWSKI, Jerzy

Congenital arteriovenous fistulae of the hand. Polski tygod. lek.
16 no.52:2010-2013 25 D '61.

1. Z III Kliniki Chirurgicznej SDL AM w Warszawie; kierownik Kliniki;
prof. dr med. J.Dryjski i z Pracowni Histopatologicznej Szpitala
Miejskiego nr 1 w Warszawie; kierownik: dr med. J.Winowski.
(FISTULA ARTERIOVENOUS case reports)
(HAND blood supply)

TYLICKI, Mieczysław (Warszawa, ul. Targowa 64 m. 41.)

Continuous double-knot suture. Polski przegl. chir. 31 no.3:333-335
Mar 59.

(SUTURES,

continuous double-knot suture (Pol))

TYLICKI, Mieczysław; WINOWSKI, Jerzy

Postoperative acute enteritis. Pol. tyg. lek. 18 no.22:
776-779 27 My '63.

1. Z III Kliniki Chirurgicznej SDL AM w Warszawie; kierownik
Kliniki: prof. dr med. J. Dryjski i z Pracowni Anatomopatolo-
gicznej Szpitala Miejskiego nr 1 w Warszawie; kierownik: dr
med. R. Modreńska-Winowska.

(POSTOPERATIVE COMPLICATIONS)
(ENTERITIS) (POSTGASTRECTOMY SYNDROMES)

POLAND / Human and Animal Morphology, Normal and Pathological. S-1

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83605

Author : Tylicki, M.

Inst : Not given

Title : Annular Pancreas

Orig Pub : Polski przeglichirurg. 1957, 29, No. 8, 786-789.

Abstract : No abstract.

Card 1/1

POLAND/Human and Animal Physiology - Blood. Formed Elements.

T-3

Abs Jour : Ref Zhur - Biol., No 18, 1958, 84010

Author : Tylicki, Mieczyslaw

Inst : -

Title : Fluctuation in Potassium Content and Number of Eosinophils
of Peripheral Blood During Postoperative Periods.

Orig Pub : Polski przeżł. chirurg., 1956, 28, No 8, 833-839

Abstract : No abstract.

Card 1/1

TYLICKI, Mieczyslaw (Warszawa, ul. Targowa 64 m. 41)

Intermediate hormonograms in the postoperative period. Polski tygod.
lek.13 no.18:673-679 5 May 1958

1. (Z IV Kliniki Chirurgicznej A.M. w Warszawie, kierownik; prof. dr.
J. Dryjski.)

(ADRENAL CORTEX HORMONES, determination,
in postop. period (Pol))

(SURGERY, OPERATIVE,
postop. adrenal cortex hormones level (Pol))

TYLICKI, Mieczysław

TYLICKI, Mieczysław (Warszawa, ul. Targowa 64 m. 41.)

Annular pancreas. Polski przegl. chir. 29 no.8:785-789 Aug 57.

1. Z IV. Kliniki Chirurgicznej A. M. w Warszawie Kierownik: prof.

J. Dryjski Praca wpłynęła w. 11. 1956 r.

(PANCREAS, abnormalities,
annular (Pol))

TYLICKI, Mieczysław

Observations on tissue therapy. Polski tygod. lek. 9 no.48:1553-1558 29 Nov 54.

1. Z Ambulatorium Chirurgicznego przy Szpitalu Miejskim Nr 8, kierownik Ambulatorium: dr Jerzy Platowski.

(TISSUE THERAPY,
results)

TYLICKI, Mieczyslaw (Warszawa, ul. Targowa 64, m.41)

Case of obstruction of the third segment of the duodenum. Polski
tygod. lek. 9 no.10:308-311 8 Mar 54.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego Nr 8, ordynator doc.
dr J.Kubiak.

(INTESTINAL OBSTRUCTION, etiology and pathogenesis,
neoplastic compression of duodenum)

(ABDOMEN, neoplasms,
causing duodenal obstruct.)

TYLICKI, MIECZYSLAW

TYLICKI, Mieczysław

Pilonidal cyst. Polski przegl. chir. 26 no.2:137-152 P '54.

1. Ze Szpitala Jiejskiego Nr 8 w Warszawie.
(PILONIDAL CYST,)

TYLICKI, Mieczyslaw; MACHOWSKA, Barbara

Place of proctology in medical practice. Fol. tyg. lek. 29
no.17:605-606 26 Ap '65.

1. Z II Kliniki Chirurgicznej Studium Doskonalenia Lekarzy
w Warszawie (Kierownik: prof. J. Dryjski) i z Kliniki Gastro-
logicznej Studium Doskonalenia Lekarzy w Warszawie (Kierownik:
doc. Z. Chojecki).

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EXCERPTA MEDICA Sec 9/Vol 13/5 SURGERY May 59

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2401. 'INDIRECT HORMONOGRAMS' OF THE POST-OPERATIVE PERIOD - 'Hormonogramy pośrednie' okresu pooperacyjnego - Tylicki M. IV. Klin. Chir. A. M., Warszawa - POL. TYG. LEK. 1958, 13/18 (673-679) Graphs 8
The action of cortical steroids is discussed with special consideration of the post-operative period and the methods of their quantitative determination. Accepting the number of eosinophils in the peripheral blood as a criterion of the glycocorticoid activity and the ratio of the sodium level to the potassium level in the blood serum as a criterion of the mineral corticoid activity, the results of personal investigations on the fluctuations in the activity of both steroid groups in the post-operative periods of 27 surgical patients are presented. The 'indirect hormonograms' are consistent with the results obtained by direct measurements and illustrate the character of the changes taking place in the organism of the persons operated on during 2 postoperative weeks. (LX, 3*)

POLAND

TYLICKI, Mieczyslaw and WINOWSKI, Jerzy, Third Surgical Clinic (III Klinika Chirurgiczna) (Director: Prof. Dr. med. J. DRYJSKI), SDL [Studium Doskonalenia Lekarzy, Physicians' Refresher Course], AM [Akademia Medyczna, Medical Academy], and the Pathological Anatomy Laboratory (Pracownia Anatomopatologiczna) of Municipal Hospital (Szpital Miejski) No 1, (Director: Dr. med. R. MODREWSKA-WINOWSKA), both in Warsaw

"Postoperative Acute Enteritis."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63, pp 776-779.

Abstract: [Authors' English summary] Authors review the recent views on the etiopathogenesis of post-operative acute enteritis and discuss the patho-anatomy, clinical signs, and the treatment. They report five cases observed by themselves. There are 25 references, of which three (3) are in Polish, one in Czech, two (2) unspecified in German, and the others Western.

1/1

TYLIEHE, A.

| | | |
|------|--|----------|
| 213) | PLATE I BOOK EXTRACTS | 507/2083 |
| | Lectures for public students. Geographical Institute of the Lithuanian SSR, 1958. 101 p. | |
| | Geographical Institute, I (The Geographical Yearbook, I) Vilnius, 1958. 101 p. | |
| | Extra slip inserted. 1,000 copies printed. | |
| | Sponsoring Agency: Lithuanian SSR geographic Institute. | |
| | Editorial Board: A. Balysius, E. Molinsas, Editor-in-Chief (President), V. Česonis (Vice President), V. Česonis (Vice President), K. Kaulys, V. Česonis (Secretary), S. Kaulys, and S. Česonis. | |
| | PRIVACY: This book is intended for geographers and for the general reader interested in the geography of Lithuania. | |
| | CONTENTS: The first volume of the Geographical Yearbook presents articles by 22 authors covering aspects of the climatology, geology of the Lithuanian SSR, the geomorphology, hydrology, and the vegetation of Lithuania. The publication also includes a section devoted to the history and a chronicle of scientific events. Articles appear in Lithuanian with English and Russian summaries. References accompany each article. | |
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(17)

YUSUFOV, A.G.; TYLIK, L.N.; AKHLAKOVA, R.

Some anatomical and physiological changes in cuttings during
rooting. Fiziol.rast. 12 no.4:732-735 J1-Ag '65. (MIRA 18:12)

1. Dagestanskiy gosudarstvennyy universitet imeni V.I.Lenina,
Makhachkala. Submitted March 9, 1964.

PA-2T26

TYLIN, V.S.

USSR/Electric Machinery
Oil Drilling Machinery

Mar 1947

"The Choice of an Electric Drive for Drilling,"
V S Tylin, 4 pp, two schematic drawings

"Energeticheskiy Byulleten" No 3

Discussion of oil drill motors as follows:
Electric drive for the windlass
Electric drive for the rotary table
Electric drive for the mud pump
Illustrated with two schematic diagrams

2T26

TYLINEK, ERICH

GEOGRAPHY & GEOLOGY

TYLINEK, ERICH. Tatry, nase Tatry. Praha, Orbis, 1955. 12 p.
DS

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2
February 1959, Unclass.

PILESKI, S.

The sand-lime industry in the USSR, p. 11. (MATERIALY BUDOWLANE, Warszawa, Vol. 10, no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955, Uncl.

PIKUSKI, S.

Problem of winter work in the building materials industry, p. 16. (MATERIALY BUDOWLANE, Warszawa, Vol. 10. no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955, Uncl.

BALASHOV, V.P., kand.tekhn.nauk; TYLIS, I.G.

Using single-rim running wheels for crane trolleys.

Vest.mash. 40 no.9:12-14 S '60.

(MIRA 13:9)

(Cranes, derricks, etc.)

GINZGURG-SHIK, L.D., inzh.; TYKLIN, D.A., inzh.

New devices in the minor mechanization of the installation of boilers
and pipelines. Energ. stroi. no.34:27-35 '63. (MIRA 17:1)

1. Trest "TSentroenergomontazh".

TYLKIN, D.A., inzh.

New devices and attachments for laying pipelines. Mont. 1 spets. rab.
v stroi. 25 no.3;8-11Mr '63. (MIRA 16:2)

1. Gosudarstvennyy soyuznyy montazhnyy trest Glavpromenergmontazha
Ministerstva stroitel'stva elektrostansiy SSSR.
(Pipe fitting—Equipment and supplies)

137-58-4-7646

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 183 (USSR)

AUTHOR: Tylkin, M. A.

TITLE: How Parts are Hardened at the Dzerzhinskiy Iron and Steel Works
(Uprochneniye detaley na metallurgicheskom zavode imeni Dzerzhinskogo)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii. Ukr. resp.
pravl., 1956, Vol 3, pp 32-40

ABSTRACT: Service life of various products is lengthened by using alloy steels manufacture and by methods of surface hardening, including chromizing, carburizing, high-frequency hardening, flame hardening, and through hardening. Examples are presented of the hardening of various parts, and the increase in strength attained is noted.

M. Ch.

1. Alloy steels--Applications 2. Metals--Hardening 3. Metals
--Hard surfacing

Card 1/1

130-9-17/21

AUTHORS: Tylkin, M.A., Sivak, V.I., Parfent'yev, I.F. and Kropp, M.A.
(Engineers)

TITLE: Increasing the Durability of Crane Wheels (Povysheniye stoykosti kranovykh koles)

PERIODICAL: Metallurg, 1957, ³Nr 9, pp.34-36 (USSR)

ABSTRACT: Short service life of crane wheels is due not only to design factors but also to the materials and methods of fabrication and heat treatment. The authors describe methods used at the major Soviet crane-wheel producing works, analyse causes of failure and deal with equipment used for surface hardening. They conclude with an account of the installation they developed with the help of K.F. Starodubov for the sorbitisation of crane wheels at the imeni Dzerzhinskiy works. Type 50Г2 steel (C 0.44-0.55%, Mn 1.4-1.8%, Si 0.17-0.30%, P ≤ 0.040, S ≤ 0.045) is used for the wheels which are cast and subjected to heat and mechanical treatment. The authors recommend the centralised manufacture of all-rolled crane wheels of standardised dimensions. There are 4 figures.

ASSOCIATION: Imeni Dzerzhinskiy Works (Zavod im.Dzerzhinskogo)

AVAILABLE: Library of Congress.

Card 1/1

SOV/137-58-10-21650 D

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 171 (USSR)

AUTHOR: Tylkin, M.A.

TITLE: The Effect of Chemical Composition and Conditions of Heat Treatment on Changes in Mechanical Properties and Coercive Force of Steel Subjected to Tempering (Vliyaniye khimicheskogo sostava i usloviy termicheskoy obrabotki stali na izmeneniye mekhanicheskikh svoystv i koertsitivnoy sily pri otpuske)

PERIODICAL: Author's dissertation for the degree of Candidate of Technical Sciences, presented to the Dnepropetr. metallurg. in-t, Dneprovsk. metallurg. z-d im. F.E. Dzerzhinskogo (Dnepropetrovsk Institute of Metallurgy, Dnepr Metallurgical Factory im. F.E. Dzerzhinskiy), Dnepropetrovsk, 1958

ABSTRACT: An investigation of the effect of chemical composition and methods of smelting of steel on changes in its mechanical properties during tempering (T), and on its tendency toward aging. The investigations were performed on 10 different smeltings of carbon steel, the C content of which varied from 0.15-1.12%, three types of Mn steel (50G, 50G2, and 65G), and

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The Effect of Chemical Composition and Conditions of Heat Treatment (cont.)

a Cr-Si-W steel of the 6KhV2S type employed in tools for hot cutting of blooms. It was established that, within a certain range of tempering temperatures (350-550°C in the case of carbon steel and 450-550° in the case of Mn steel), the ascending slope curves representing values of δ , ψ , and a_k as functions of the T temperature is decelerated or retarded. As the C content of the steel is increased, the T temperature at which this effect is observed is reduced. Contrariwise, Mn tends to diminish this effect and displaces it in the direction of higher T temperatures. An explanation is given for the phenomena described. As the S and P contents of the steel are increased, the reduction of its plastic properties becomes more pronounced during T at temperatures indicated. A considerable reduction in the a_k value of steel 6KhV2S, observed at tempering temperatures ranging from 500 to 600°, is attributable to the phenomenon of reversible temper brittleness. Low-carbon open-hearth and medium-carbon Bessemer steels which have been quenched from a temperature below the A_1 point exhibit a considerable tendency toward aging, particularly after cold deformation. In the case of open-hearth steel this tendency may be reduced by increasing its C content.

N.K.

ASSOCIATION: Dnepropetr. metallurg. in-t, Dneprovsk. metallurg. z-d im.
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The Effect of Chemical Composition and Conditions of Heat Treatment (cont.)

F.E. Dzerzhinskogo (Dnepropetrovsk Institute of Metallurgy, Dnepr Metallurgical Factory im. F.E. Dzerzhinskiy), Dnepropetrovsk

1. Steel--Heat treatment 2. Steel--Mechanical properties 3. Steel--Physical properties 4. Steel--Test results 5. Thermal stresses

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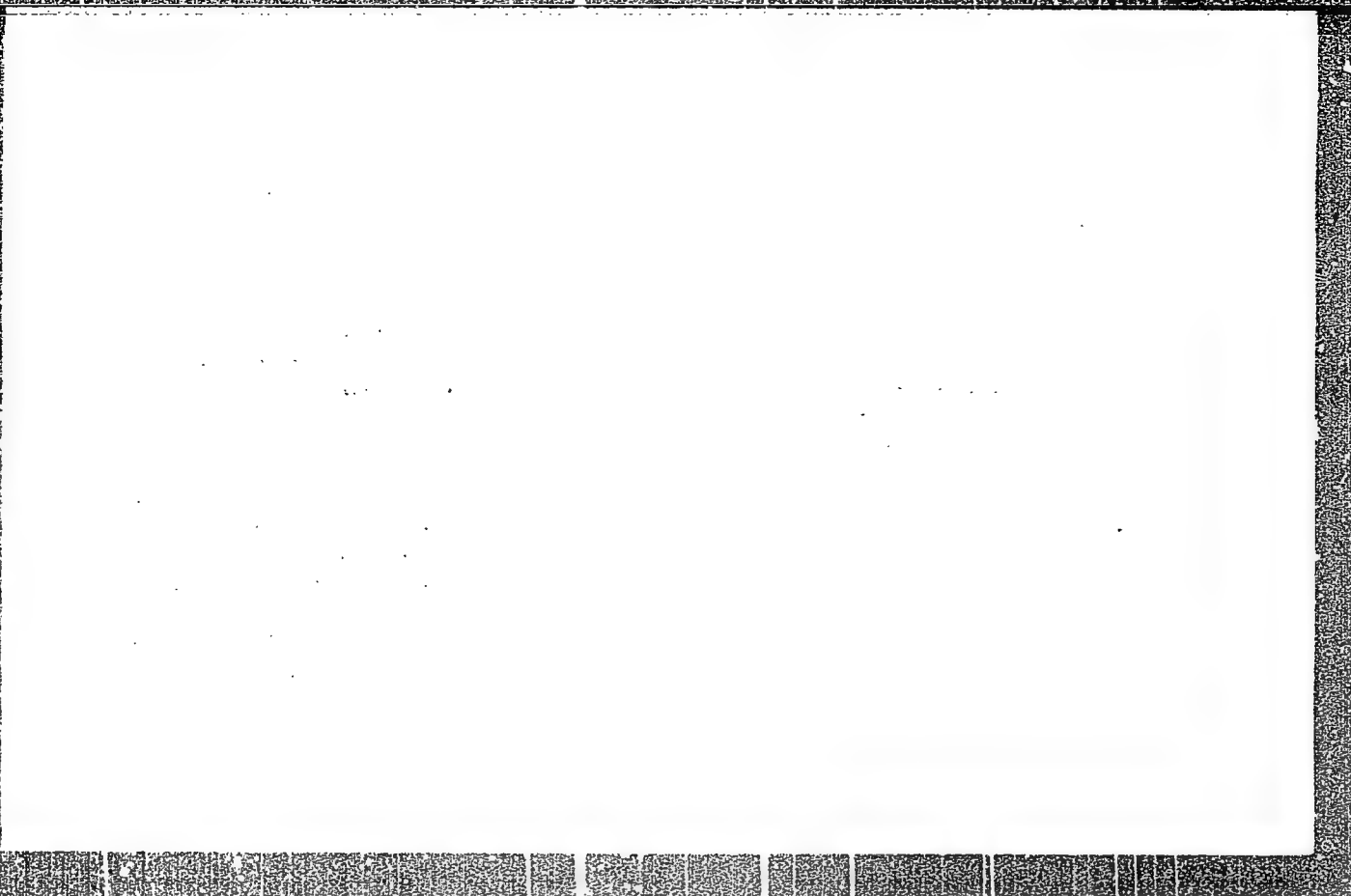
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SOV/137-58-9-19392

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 178 (USSR)

AUTHOR: Tylkin, M.A.

TITLE: Investigation of the Conditions for the Heat Treatment of 6KhV2S Steel for the Blades of the Shears for the Hot Cutting of Blooms (Issledovaniye rezhima termicheskoy obrabotki stali 6KhV2S dlya nozhey, nozhnits goryachey rezki blyumsov)

PERIODICAL: V sb.: Metallovedeniye i termich. obrabotka. Moscow, Metallurgizdat, 1958, pp 251-255

ABSTRACT: By means of investigation and observation it is established that longer service life of blades (B) of 6KhV2S steel, from 5-6 days to 20-25, is achieved by raising the pre-quench temperature from 860-880°C to 920-940° and that of tempering from 500-550° to 620-640°. In quenching, the loading of B is conducted at a furnace temperature of 600°, a rate of heating of 100 degree/hour, a 1-hour hold, and quenching in oil. Tempering is performed no later than three hours after quenching. The rate of heating is ≤ 80 degree/hour, holding 3-4 hours cooling in air. 1. Cutting tools--Production 2. Steel--Processing F.U.

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TYLKIN, M.A.

Strengthening teeth of circular saws used in hot and cold cutting
of metals. Biul. TSNIICM no.1:48-50 '58. (MIRA 11:5)

1. Zavod im. Dzerzhinskogo.
(Circular saws)

AUTHOR: Tylkin, M.A.

130-58-2-14/21

TITLE: Production of Chromium-plated Guides for Rolling Mills
(Izgotovleniye khromirovannykh propuskov prokatnykh stanov)

PERIODICAL: Metallurg, 1958, Nr 2, pp 27 - 28 (USSR)

ABSTRACT: Where roller guides cannot be used for various reasons, friction guides continue to be used in rolling mills, although they have many disadvantages. This article describes the production of heat-treated chromium-plated friction guides which have a life of twenty and over shifts, compared with one for the ordinary friction guides. It deals with practice at the imeni Dzerzhinskiy Works. For the 260 and 330 mills, the finishing guides - Fig.1 - are machined from normalised blanks of type St.3 or 20 Kh steels and are then subjected to the following heat-treatment: case-hardening at 900 - 920 °C for 12-14 hours or 15-18 hours for the 260 and 330 mills, respectively; after air cooling normalization at 880-900 °C with 1 hour's soaking time and air cooling; hardening from 760-780 °C in water; tempering at 160-180 °C for 2 hours, followed by air cooling. After sand-blasting, the guide is chromium-plated, the working channel having previously been polished and degreased. The plating is effected in a chromic- anhydride

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130-58-2-14/21

Production of Chromium-plated Guides for Rolling Mills

(240 g/litre of distilled water) and sulphuric acid (2 g/litre of distilled water) at 50 °C, 8-10 V and a current density of 50 A/dm² for 30 minutes.

There are 2 figures.

ASSOCIATION: Zavod imeni Dzerzhinskogo (imeni Dzerzhinskiy Works)

AVAILABLE: Library of Congress

Card 2/2 1. Rolling mills-Equipment

TYLKIN, M.A.

AUTHORS: Tylkin, M.A., Parfent'yev, I.F. and Sivak, V.I.,
Engineers 133-58-3-3/29

TITLE: An Increase in the Service Life of Blast Furnace Charging
Equipment (Udlineniye sluzhby zasypnykh apparatov domnennykh
pechey)

PERIODICAL: Stal', 1958, Nr 3, pp 207 - 208 (USSR)

ABSTRACT: Methods of hard facing large bells for blast furnace
operating on high top pressure are briefly discussed. There
are 2 figures.

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